## List of INSP161 specific sequences:

### SEQ ID NO: 1 (INSP161 mature nucleotide sequence)

```
   1 AAGACCACAC CACATACCAA ATTTACGAAG AAATCTGAGG AAAGAGAGAT
  51 GCCAAAGGGT CTAAAGCCAT CCAGTGGCCC ACCTCCAGAA GAAGAAGAAA
 101 CCCTCTTCAC AGAAATGGCT GAAATGGCAG AACCAATTAC CAAACCCTCG
 151 GCCTTGGATT CTGTCTTTGG CACTGCCACT CTCTCTCCCT TTGAAAACTT
 201 CACTCTTGAC CCAGCTGATT TCTTTTTGAA TTGTTGTGAT TGTTGTTCAC
 251 CTGTACCCGG GCAGAAAGGA GAACCTGGAG AGACTGGACA GCCAGGTCCT
 301 AAAGGAGAGG CTGGAAATTT GGGGATCCCA GGGCCACCAG GAGTTGTTGG
 351 GCCCCAAGGC CCTAGAGGCT ACAAAGGAGA GAAAGGTGAA CCTGGCCCTA
 401 AGGGAGATAA AGGAAACATT GGTTTGGGAG GAGTGAAAGG ACAAAAAGGC
 451 TCCAAGGGAG ACACATGTGG GAATTGTACC AAAGGAGAAA AAGGAGACCA
 501 AGGGGCTATG GGCTCACCTG GCCTGCACGG AGGGCCTGGC GCCAAGGGAG
 551 AGAAGGGGGA GATGGGGGAG AAGGGGGAGA TGGGGGATAA GGGCTGCTGT
 601 GGAGATTCTG GGGAGAGGGG AGGAAAAGGA CAGAAAGGTG AGGGGGGTAT
 651 GAAAGGGGAA AAAGGTAGCA AAGGAGACAG TGGAATGGAA GGCAAAAGCG
 701 GCCGTAATGG TCTGCCTGGG GCCAAAGGTG ATCCAGGGAT TAAAGGAGAA
 751 AAAGGAGAGT TAGGTCCTCC TGGTCTCCTG GGACCTACTG GGCCGAAGGG
 801 TGACATTGGC AACAAAGGGG TCCGAGGCCC CACTGGGAAG AAGGGCTCTC
 851 GGGGCTTTAA AGGCTCCAAG GGTGAGTTGG C
```

### SEQ ID NO: 2 (INSP161 mature polypeptide sequence)

```
   1 KTTPHTKFTK KSEEREMPKG LKPSSGPPPE EEETLFTEMA EMAEPITKPS
  51 ALDSVFGTAT LSPFENFTLD PADFFLNCCD CCSPVPGQKG EPGETGQPGP
 101 KGEAGNLGIP GPPGVVGPQG PRGYKGEKGE PGPKGDKGNI GLGGVKGQKG
 151 SKGDTCGNCT KGEKGDQGAM GSPGLHGGPG AKGEKGEMGE KGEMGDKGCC
 201 GDSGERGGKG QKGEGGMKGE KGSKGDSGME GKSGRNGLPG AKGDPGIKGE
 251 KGELGPPGLL GPTGPKGDIG NKGVRGPTGK KGSRGFKGSK GELA
```

### SEQ ID NO: 3 (INSP161-A nucleotide sequence)

```
   1 TCCAGTGGCC CACCTCCAGA AGAAGAAGAA ACCCTCTTCA CAGAAATGGC
  51 TGAAATGGCA GAACCAATTA CCAAACCCTC GGCCTTGGAT TCTGTCTTTG
 101 GCACTGCCAC TCTCTCTCCC TTTGAAAACT TCACTCTTGA CCCAGCTGAT
 151 TTCTTTTTGA ATTGTTGTGA TTGTTGTTCA CCTGTACCCG GGCAGAAAGG
 201 AGAACCTGGA GAGACTGGAC AGCCAGGTCC TAAAGGAGAG GCTGGAAATT
 251 TGGGGATCCC AGGGCCACCA GGAGTTGTTG GGCCCCAAGG CCCTAGAGGC
 301 TACAAAGGAG AGAAAGGTGA ACCTGGCCCT AAGGGAGATA AAGGAAACAT
 351 TGGTTTGGGA GGAGTGAAAG GACAAAAAGG CTCCAAGGGA GACACATGTG
 401 GGAATTGTAC CAAAGGAGAA AAAGGAGACC AAGGGGCTAT GGGCTCACCT
 451 GGCCTGCACG GAGGGCCTGG CGCCAAGGGA GAGAAGGGGG AGATGGGGGA
 501 GAAGGGGGAG ATGGGGGATA AGGGCTGCTG TGGAGATTCT GGGGAGAGGG
 551 GAGGAAAAGG ACAGAAAGGT GAGGGGGGTA TGAAAGGGGA AAAAGGTAGC
 601 AAAGGAGACA GTGGAATGGA AGGCAAAAGC GGCCGTAATG GTCTGCCTGG
 651 GGCCAAAGGT GATCCAGGGA TTAAAGGAGA AAAAGGAGAG TTAGGTCCTC
 701 CTGGTCTCCT GGGACCTACT GGGCCGAAGG GTGACATTGG CAACAAAGGG
 751 GTCCGAGGCC CCACTGGGAA GAAGGGCTCT CGGGGCTTTA AAGGCTCCAA
 801 GGGTGAGTTG GCTAGAGTGC CCCGGTCGGC TTTCAGCGCT GGTTTGTCAA
 851 AGCCATTTCC TCCTCCTAAC ATCCCCATCA AATTTGAAAA GATTCTCTAT
 901 AATGACCAAG GGAATTACAG TCCTGTCACT GGGAAGTTTA ACTGCTCTAT
 951 TCCTGGGACA TATGTTTTTT CCTACCATAT TACGGTGAGG GGGCGACCTG
1001 CTCGAATCAG TCTGGTGGCC CAGAATAAGA AGCAGTTCAA GTCCAGAGAA
1051 ACTCTCTATG GTCAGGAAAT AGACCAGGCC TCTCTCCTCG TCATCTTGAA
1101 ATTAAGTGCA GGAGACCAAG TCTGGCTTGA GGTGTCAAAA GATTGGAATG
1151 GGGTGTATGT CAGTGCTGAG GATGACAGCA TTTTTACTGG GTTCCTTTTG
1201 TACCCAGAGG AAACTTCTGG AATTTCACCA
```

**SEQ ID NO: 4 (INSP161-A polypeptide sequence)**

```
  1 SSGPPPEEEE TLFTEMAEMA EPITKPSALD SVFGTATLSP FENFTLDPAD
 51 FFLNCCDCCS PVPGQKGEPG ETGQPGPKGE AGNLGIPGPP GVVGPQGPRG
101 YKGEKGEPGP KGDKGNIGLG GVKGQKGSKG DTCGNCTKGE KGDQGAMGSP
151 GLHGGPGAKG EKGEMGEKGE MGDKGCCGDS GERGGKGQKG EGGMKGEKGS
201 KGDSGMEGKS GRNGLPGAKG DPGIKGEKGE LGPPGLLGPT GPKGDIGNKG
251 VRGPTGKKGS RGFKGSKGEL ARVPRSAFSA GLSKPFPPPN IPIKFEKILY
301 NDQGNYSPVT GKFNCSIPGT YVFSYHITVR GRPARISLVA QNKKQFKSRE
351 TLYGQEIDQA SLLVILKLSA GDQVWLEVSK DWNGVYVSAE DDSIFTGFLL
401 YPEETSGISP
```

**SEQ ID NO: 5 (INSP161-B nucleotide sequence)**

```
  1 TCCAGTGGCC CACCTCCAGA AGAAGAAGAA ACCCTCTTCA CAGAAATGGC
 51 TGAAATGGCA GAACCAATTA CCAAACCCTC GGCCTTGGAT TCTGTCTTTG
101 GCACTGCCAC TCTCTCTCCC TTTGAAAACT TCACTCTTGA CCCAGCTGAT
151 TTCTTTTTGA ATTGTTGTGA TTGTTGTTCA CCTGTACCCG GGCAGAAAGG
201 AGAACCTGGA GAGACTGGAC AGCCAGGTCC TAAAGGAGAG GCTGGAAATT
251 TGGGGATCCC AGGGCCACCA GGAGTTGTTG GGCCCCAAGG CCCTAGAGGC
301 TACAAAGGAG AGAAAGGTGA ACCTGGCCCT AAGGGAGATA AAGGAAACAT
351 TGGTTTGGGA GGAGTGAAAG GACAAAAAGG CTCCAAGGGA GACACATGTG
401 GGAATTGTAC CAAAGGAGAA AAAGGAGACC AAGGGGCTAT GGGCTCACCT
451 GGCCTGCACG GAGGGCCTGG CGCCAAGGGA GAGAAGGGGG AGATGGGGGA
501 GAAGGGGGAG ATGGGGGATA AGGGCTGCTG TGGAGATTCT GGGGAGAGGG
551 GAGGAAAAGG ACAGAAAGGT GAGGGGGGTA TGAAAGGGGA AAAAGGTAGC
601 AAAGGAGACA GTGGAATGGA AGGCAAAAGC GGCCGTAATG GTCTGCCTGG
651 GGCCAAAGGT GATCCAGGGA TTAAAGGAGA AAAAGGAGAG TTAGGTCCTC
701 CTGGTCTCCT GGGACCTACT GGGCCGAAGG GTGACATTGG CAACAAAGGG
751 GTCCGAGGCC CCACTGGGAA GAAGGGCTCT CGGGGCTTTA AAGGC
```

**SEQ ID NO: 6 (INSP161-B polypeptide sequence)**

```
  1 SSGPPPEEEE TLFTEMAEMA EPITKPSALD SVFGTATLSP FENFTLDPAD
 51 FFLNCCDCCS PVPGQKGEPG ETGQPGPKGE AGNLGIPGPP GVVGPQGPRG
101 YKGEKGEPGP KGDKGNIGLG GVKGQKGSKG DTCGNCTKGE KGDQGAMGSP
151 GLHGGPGAKG EKGEMGEKGE MGDKGCCGDS GERGGKGQKG EGGMKGEKGS
201 KGDSGMEGKS GRNGLPGAKG DPGIKGEKGE LGPPGLLGPT GPKGDIGNKG
251 VRGPTGKKGS RGFKG
```

**SEQ ID NO: 7 (INSP161-C nucleotide sequence)**

```
  1 TCCAAGGGTG AGTTGGCTAG AGTGCCCCGG TCGGCTTTCA GCGCTGGTTT
 51 GTCAAAGCCA TTTCCTCCTC CTAACATCCC CATCAAATTT GAAAAGATTC
101 TCTATAATGA CCAAGGGAAT TACAGTCCTG TCACTGGGAA GTTTAACTGC
151 TCTATTCCTG GGACATATGT TTTTTCCTAC CATATTACGG TGAGGGGGCG
201 ACCTGCTCGA ATCAGTCTGG TGGCCCAGAA TAAGAAGCAG TTCAAGTCCA
251 GAGAAACTCT CTATGGTCAG GAAATAGACC AGGCCTCTCT CCTCGTCATC
301 TTGAAATTAA GTGCAGGAGA CCAAGTCTGG CTTGAGGTGT CAAAAGATTG
351 GAATGGGGTG TATGTCAGTG CTGAGGATGA CAGCATTTTT ACTGGGTTCC
401 TTTTGTACCC AGAGGAAACT TCTGGAATTT CACCA
```

**SEQ ID NO: 8 (INSP161-C polypeptide sequence)**

```
  1 SKGELARVPR SAFSAGLSKP FPPPNIPIKF EKILYNDQGN YSPVTGKFNC
 51 SIPGTYVFSY HITVRGRPAR ISLVAQNKKQ FKSRETLYGQ EIDQASLLVI
101 LKLSAGDQVW LEVSKDWNGV YVSAEDDSIF TGFLLYPEET SGISP
```

**SEQ ID NO: 9 (C1q nucleotide sequence)**

```
  1 GCTTTCAGCG CTGGTTTGTC AAAGCCATTT CCTCCTCCTA ACATCCCCAT
 51 CAAATTTGAA AAGATTCTCT ATAATGACCA AGGGAATTAC AGTCCTGTCA
101 CTGGGAAGTT TAACTGCTCT ATTCCTGGGA CATATGTTTT TTCCTACCAT
151 ATTACGGTGA GGGGGCGACC TGCTCGAATC AGTCTGGTGG CCCAGAATAA
201 GAAGCAGTTC AAGTCCAGAG AAACTCTCTA TGGTCAGGAA ATAGACCAGG
251 CCTCTCTCCT CGTCATCTTG AAATTAAGTG CAGGAGACCA AGTCTGGCTT
```

```
301 GAGGTGTCAA AAGATTGGAA TGGGGTGTAT GTCAGTGCTG AGGATGACAG
351 CATTTTTACT GGGTTCCTTT TG
```

**SEQ ID NO: 10 (C1q polypeptide sequence)**

```
  1 AFSAGLSKPF PPPNIPIKFE KILYNDQGNY SPVTGKFNCS IPGTYVFSYH
 51 ITVRGRPARI SLVAQNKKQF KSRETLYGQE IDQASLLVIL KLSAGDQVWL
101 EVSKDWNGVY VSAEDDSIFT GFLL
```

**SEQ ID NO: 11 (histidine tag INSP161 mature nucleotide sequence)**

```
  1 AAGACCACAC CACATACCAA ATTTACGAAG AAATCTGAGG AAAGAGAGAT
 51 GCCAAAGGGT CTAAAGCCAT CCAGTGGCCC ACCTCCAGAA GAAGAAGAAA
101 CCCTCTTCAC AGAAATGGCT GAAATGGCAG AACCAATTAC CAAACCCTCG
151 GCCTTGGATT CTGTCTTTGG CACTGCCACT CTCTCTCCCT TTGAAAACTT
201 CACTCTTGAC CCAGCTGATT TCTTTTTGAA TTGTTGTGAT TGTTGTTCAC
251 CTGTACCCGG GCAGAAAGGA GAACCTGGAG AGACTGGACA GCCAGGTCCT
301 AAAGGAGAGG CTGGAAATTT GGGGATCCCA GGGCCACCAG GAGTTGTTGG
351 GCCCCAAGGC CCTAGAGGCT ACAAAGGAGA GAAAGGTGAA CCTGGCCCTA
401 AGGGAGATAA AGGAAACATT GGTTTGGGAG GAGTGAAAGG ACAAAAAGGC
451 TCCAAGGGAG ACACATGTGG GAATTGTACC AAAGGAGAAA AAGGAGACCA
501 AGGGGCTATG GGCTCACCTG GCCTGCACGG AGGGCCTGGC GCCAAGGGAG
551 AGAAGGGGGA GATGGGGGAG AAGGGGGAGA TGGGGGATAA GGGCTGCTGT
601 GGAGATTCTG GGGAGAGGGG AGGAAAAGGA CAGAAAGGTG AGGGGGGTAT
651 GAAAGGGGAA AAAGGTAGCA AAGGAGACAG TGGAATGGAA GGCAAAAGCG
701 GCCGTAATGG TCTGCCTGGG GCCAAAGGTG ATCCAGGGAT TAAAGGAGAA
751 AAAGGAGAGT TAGGTCCTCC TGGTCTCCTG GGACCTACTG GGCCGAAGGG
801 TGACATTGGC AACAAAGGGG TCCGAGGCCC CACTGGGAAG AAGGGCTCTC
851 GGGGCTTTAA AGGCTCCAAG GGTGAGTTGG CCACCATCAC CATCACCAT
```

**SEQ ID NO: 12 (histidine tag INSP161 mature polypeptide sequence)**

```
  1 KTTPHTKFTK KSEEREMPKG LKPSSGPPPE EEETLFTEMA EMAEPITKPS
 51 ALDSVFGTAT LSPFENFTLD PADFFLNCCD CCSPVPGQKG EPGETGQPGP
101 KGEAGNLGIP GPPGVVGPQG PRGYKGEKGE PGPKGDKGNI GLGGVKGQKG
151 SKGDTCGNCT KGEKGDQGAM GSPGLHGGPG AKGEKGEMGE KGEMGDKGCC
201 GDSGERGGKG QKGEGGMKGE KGSKGDSGME GKSGRNGLPG AKGDPGIKGE
251 KGELGPPGLL GPTGPKGDIG NKGVRGPTGK KGSRGFKGSK GELAHHHHHH
```

**SEQ ID NO: 13 (histidine tag INSP161-A nucleotide sequence)**

```
   1 TCCAGTGGCC CACCTCCAGA AGAAGAAGAA ACCCTCTTCA CAGAAATGGC
  51 TGAAATGGCA GAACCAATTA CCAAACCCTC GGCCTTGGAT TCTGTCTTTG
 101 GCACTGCCAC TCTCTCTCCC TTTGAAAACT TCACTCTTGA CCCAGCTGAT
 151 TTCTTTTTGA ATTGTTGTGA TTGTTGTTCA CCTGTACCCG GGCAGAAAGG
 201 AGAACCTGGA GAGACTGGAC AGCCAGGTCC TAAAGGAGAG GCTGGAAATT
 251 TGGGGATCCC AGGGCCACCA GGAGTTGTTG GGCCCCAAGG CCCTAGAGGC
 301 TACAAAGGAG AGAAAGGTGA ACCTGGCCCT AAGGGAGATA AAGGAAACAT
 351 TGGTTTGGGA GGAGTGAAAG GACAAAAAGG CTCCAAGGGA GACACATGTG
 401 GGAATTGTAC CAAAGGAGAA AAAGGAGACC AAGGGGCTAT GGGCTCACCT
 451 GGCCTGCACG GAGGGCCTGG CGCCAAGGGA GAGAAGGGGG AGATGGGGGA
 501 GAAGGGGGAG ATGGGGGATA AGGGCTGCTG TGGAGATTCT GGGGAGAGGG
 551 GAGGAAAAGG ACAGAAAGGT GAGGGGGGTA TGAAAGGGGA AAAAGGTAGC
 601 AAAGGAGACA GTGGAATGGA AGGCAAAAGC GGCCGTAATG GTCTGCCTGG
 651 GGCCAAAGGT GATCCAGGGA TTAAAGGAGA AAAAGGAGAG TTAGGTCCTC
 701 CTGGTCTCCT GGGACCTACT GGGCCGAAGG GTGACATTGG CAACAAAGGG
 751 GTCCGAGGCC CCACTGGGAA GAAGGGCTCT CGGGGCTTTA AAGGCTCCAA
 801 GGGTGAGTTG GCTAGAGTGC CCCGGTCGGC TTTCAGCGCT GGTTTGTCAA
 851 AGCCATTTCC TCCTCCTAAC ATCCCCATCA AATTTGAAAA GATTCTCTAT
 901 AATGACCAAG GGAATTACAG TCCTGTCACT GGGAAGTTTA ACTGCTCTAT
 951 TCCTGGGACA TATGTTTTTT CCTACCATAT TACGGTGAGG GGGCGACCTG
1001 CTCGAATCAG TCTGGTGGCC CAGAATAAGA AGCAGTTCAA GTCCAGAGAA
1051 ACTCTCTATG GTCAGGAAAT AGACCAGGCC TCTCTCCTCG TCATCTTGAA
```

```
1101 ATTAAGTGCA GGAGACCAAG TCTGGCTTGA GGTGTCAAAA GATTGGAATG
1151 GGGTGTATGT CAGTGCTGAG GATGACAGCA TTTTTACTGG GTTCCTTTTG
1201 TACCCAGAGG AAACTTCTGG AATTTCACCA CACCATCACC ATCACCAT
```

**SEQ ID NO: 14 (histidine tag INSP161-A polypeptide sequence)**

```
   1 SSGPPPEEEE TLFTEMAEMA EPITKPSALD SVFGTATLSP FENFTLDPAD
  51 FFLNCCDCCS PVPGQKGEPG ETGQPGPKGE AGNLGIPGPP GVVGPQGPRG
 101 YKGEKGEPGP KGDKGNIGLG GVKGQKGSKG DTCGNCTKGE KGDQGAMGSP
 151 GLHGGPGAKG EKGEMGEKGE MGDKGCCGDS GERGGKGQKG EGGMKGEKGS
 201 KGDSGMEGKS GRNGLPGAKG DPGIKGEKGE LGPPGLLGPT GPKGDIGNKG
 251 VRGPTGKKGS RGFKGSKGEL ARVPRSAFSA GLSKPFPPPN IPIKFEKILY
 301 NDQGNYSPVT GKFNCSIPGT YVFSYHITVR GRPARISLVA QNKKQFKSRE
 351 TLYGQEIDQA SLLVILKLSA GDQVWLEVSK DWNGVYVSAE DDSIFTGFLL
 401 YPEETSGISP HHHHHH
```

**SEQ ID NO: 15 (histidine tag INSP161-B nucleotide sequence)**

```
   1 TCCAGTGGCC CACCTCCAGA AGAAGAAGAA ACCCTCTTCA CAGAAATGGC
  51 TGAAATGGCA GAACCAATTA CCAAACCCTC GGCCTTGGAT TCTGTCTTTG
 101 GCACTGCCAC TCTCTCTCCC TTTGAAAACT TCACTCTTGA CCCAGCTGAT
 151 TTCTTTTTGA ATTGTTGTGA TTGTTGTTCA CCTGTACCCG GGCAGAAAGG
 201 AGAACCTGGA GAGACTGGAC AGCCAGGTCC TAAAGGAGAG GCTGGAAATT
 251 TGGGGATCCC AGGGCCACCA GGAGTTGTTG GGCCCCAAGG CCCTAGAGGC
 301 TACAAAGGAG AGAAAGGTGA ACCTGGCCCT AAGGGAGATA AAGGAAACAT
 351 TGGTTTGGGA GGAGTGAAAG GACAAAAAGG CTCCAAGGGA GACACATGTG
 401 GGAATTGTAC CAAAGGAGAA AAAGGAGACC AAGGGGCTAT GGGCTCACCT
 451 GGCCTGCACG GAGGGCCTGG CGCCAAGGGA GAGAAGGGGG AGATGGGGGA
 501 GAAGGGGGAG ATGGGGGATA AGGGCTGCTG TGGAGATTCT GGGGAGAGGG
 551 GAGGAAAAGG ACAGAAAGGT GAGGGGGGTA TGAAAGGGGA AAAAGGTAGC
 601 AAAGGAGACA GTGGAATGGA AGGCAAAAGC GGCCGTAATG GTCTGCCTGG
 651 GGCCAAAGGT GATCCAGGGA TTAAAGGAGA AAAAGGAGAG TTAGGTCCTC
 701 CTGGTCTCCT GGGACCTACT GGGCCGAAGG GTGACATTGG CAACAAAGGG
 751 GTCCGAGGCC CCACTGGGAA GAAGGGCTCT CGGGGCTTTA AAGGCCACCA
 801 TCACCATCAC CAT
```

**SEQ ID NO: 16 (histidine tag INSP161-B polypeptide sequence)**

```
   1 SSGPPPEEEE TLFTEMAEMA EPITKPSALD SVFGTATLSP FENFTLDPAD
  51 FFLNCCDCCS PVPGQKGEPG ETGQPGPKGE AGNLGIPGPP GVVGPQGPRG
 101 YKGEKGEPGP KGDKGNIGLG GVKGQKGSKG DTCGNCTKGE KGDQGAMGSP
 151 GLHGGPGAKG EKGEMGEKGE MGDKGCCGDS GERGGKGQKG EGGMKGEKGS
 201 KGDSGMEGKS GRNGLPGAKG DPGIKGEKGE LGPPGLLGPT GPKGDIGNKG
 251 VRGPTGKKGS RGFKGHHHHH H
```

**SEQ ID NO: 17 (histidine tag INSP161-C nucleotide sequence)**

```
   1 TCCAAGGGTG AGTTGGCTAG AGTGCCCCGG TCGGCTTTCA GCGCTGGTTT
  51 GTCAAAGCCA TTTCCTCCTC CTAACATCCC CATCAAATTT GAAAAGATTC
 101 TCTATAATGA CCAAGGGAAT TACAGTCCTG TCACTGGGAA GTTTAACTGC
 151 TCTATTCCTG GGACATATGT TTTTTCCTAC CATATTACGG TGAGGGGGCG
 201 ACCTGCTCGA ATCAGTCTGG TGGCCCAGAA TAAGAAGCAG TTCAAGTCCA
 251 GAGAAACTCT CTATGGTCAG GAAATAGACC AGGCCTCTCT CCTCGTCATC
 301 TTGAAATTAA GTGCAGGAGA CCAAGTCTGG CTTGAGGTGT CAAAAGATTG
 351 GAATGGGGTG TATGTCAGTG CTGAGGATGA CAGCATTTTT ACTGGGTTCC
 401 TTTTGTACCC AGAGGAAACT TCTGGAATTT CACCACACCA TCACCATCAC
 451 CAT
```

**SEQ ID NO: 18 (histidine tag INSP161-C polypeptide sequence)**

```
   1 SKGELARVPR SAFSAGLSKP FPPPNIPIKF EKILYNDQGN YSPVTGKFNC
  51 SIPGTYVFSY HITVRGRPAR ISLVAQNKKQ FKSRETLYGQ EIDQASLLVI
 101 LKLSAGDQVW LEVSKDWNGV YVSAEDDSIF TGFLLYPEET SGISPHHHHH
 151 H
```

**SEQ ID NO: 19 (histidine tag C1q nucleotide sequence)**

```
   1 GCTTTCAGCG CTGGTTTGTC AAAGCCATTT CCTCCTCCTA ACATCCCCAT
  51 CAAATTTGAA AAGATTCTCT ATAATGACCA AGGGAATTAC AGTCCTGTCA
 101 CTGGGAAGTT TAACTGCTCT ATTCCTGGGA CATATGTTTT TTCCTACCAT
 151 ATTACGGTGA GGGGGCGACC TGCTCGAATC AGTCTGGTGG CCCAGAATAA
 201 GAAGCAGTTC AAGTCCAGAG AAACTCTCTA TGGTCAGGAA ATAGACCAGG
 251 CCTCTCTCCT CGTCATCTTG AAATTAAGTG CAGGAGACCA AGTCTGGCTT
 301 GAGGTGTCAA AAGATTGGAA TGGGGTGTAT GTCAGTGCTG AGGATGACAG
 351 CATTTTTACT GGGTTCCTTT TGCACCATCA CCATCACCAT
```

**SEQ ID NO: 20 (histidine tag C1q polypeptide sequence)**

```
   1 AFSAGLSKPF PPPNIPIKFE KILYNDQGNY SPVTGKFNCS IPGTYVFSYH
  51 ITVRGRPARI SLVAQNKKQF KSRETLYGQE IDQASLLVIL KLSAGDQVWL
 101 EVSKDWNGVY VSAEDDSIFT GFLLHHHHHH
```

**SEQ ID NO: 21 (INSP161 nucleotide sequence)**

```
   1 ATGTATATAT TTTCCTATTA TATCTTTCTT CCAGCTTCAA ATATGTGGAT
  51 GTTTTCTTGG CTTTGTGCTA TTTTAATTAT TTTGGCTATT GCTGGTATGA
 101 ACACAATAGC AAAGACCACA CCACATACCA AATTTACGAA GAAATCTGAG
 151 GAAAGAGAGA TGCCAAAGGG TCTAAAGCCA TCCAGTGGCC CACCTCCAGA
 201 AGAAGAAGAA ACCCTCTTCA CAGAAATGGC TGAAATGGCA GAACCAATTA
 251 CCAAACCCTC GGCCTTGGAT TCTGTCTTTG GCACTGCCAC TCTCTCTCCC
 301 TTTGAAAACT TCACTCTTGA CCCAGCTGAT TTCTTTTTGA ATTGTTGTGA
 351 TTGTTGTTCA CCTGTACCCG GGCAGAAAGG AGAACCTGGA GAGACTGGAC
 401 AGCCAGGTCC TAAAGGAGAG GCTGGAAATT TGGGGATCCC AGGGCCACCA
 451 GGAGTTGTTG GGCCCCAAGG CCCTAGAGGC TACAAAGGAG AGAAAGGTGA
 501 ACCTGGCCCT AAGGGAGATA AAGGAAACAT TGGTTTGGGA GGAGTGAAAG
 551 GACAAAAAGG CTCCAAGGGA GACACATGTG GGAATTGTAC CAAAGGAGAA
 601 AAAGGAGACC AAGGGGCTAT GGGCTCACCT GGCCTGCACG GAGGGCCTGG
 651 CGCCAAGGGA GAGAAGGGGG AGATGGGGGA GAAGGGGGAG ATGGGGGATA
 701 AGGGCTGCTG TGGAGATTCT GGGGAGAGGG GAGGAAAAGG ACAGAAAGGT
 751 GAGGGGGGTA TGAAAGGGGA AAAAGGTAGC AAAGGAGACA GTGGAATGGA
 801 AGGCAAAAGC GGCCGTAATG GTCTGCCTGG GGCCAAAGGT GATCCAGGGA
 851 TTAAAGGAGA AAAAGGAGAG TTAGGTCCTC CTGGTCTCCT GGGACCTACT
 901 GGGCCGAAGG GTGACATTGG CAACAAAGGG GTCCGAGGCC CCACTGGGAA
 951 GAAGGGCTCT CGGGGCTTTA AAGGCTCCAA GGGTGAGTTG GCTAGAGTGC
1001 CCCGGTCGGC TTTCAGCGCT GGTTTGTCAA AGCCATTTCC TCCTCCTAAC
1051 ATCCCCATCA AATTTGAAAA GATTCTCTAT AATGACCAAG GGAATTACAG
1101 TCCTGTCACT GGGAAGTTTA ACTGCTCTAT TCCTGGGACA TATGTTTTTT
1151 CCTACCATAT TACGGTGAGG GGGCGACCTG CTCGAATCAG TCTGGTGGCC
1201 CAGAATAAGA AGCAGTTCAA GTCCAGAGAA ACTCTCTATG GTCAGGAAAT
1251 AGACCAGGCC TCTCTCCTCG TCATCTTGAA ATTAAGTGCA GGAGACCAAG
1301 TCTGGCTTGA GGTGTCAAAA GATTGGAATG GGGTGTATGT CAGTGCTGAG
1351 GATGACAGCA TTTTTACTGG GTTCCTTTTG TACCCAGAGG AAACTTCTGG
1401 AATTTCACCA
```

**SEQ ID NO: 22 (INSP161 polypeptide sequence)**

```
   1 MYIFSYYIFL PASNMWMFSW LCAILIILAI AGMNTIAKTT PHTKFTKKSE
  51 EREMPKGLKP SSGPPPEEEE TLFTEMAEMA EPITKPSALD SVFGTATLSP
 101 FENFTLDPAD FFLNCCDCCS PVPGQKGEPG ETGQPGPKGE AGNLGIPGPP
 151 GVVGPQGPRG YKGEKGEPGP KGDKGNIGLG GVKGQKGSKG DTCGNCTKGE
 201 KGDQGAMGSP GLHGGPGAKG EKGEMGEKGE MGDKGCCGDS GERGGKGQKG
 251 EGGMKGEKGS KGDSGMEGKS GRNGLPGAKG DPGIKGEKGE LGPPGLLGPT
 301 GPKGDIGNKG VRGPTGKKGS RGFKGSKGEL ARVPRSAFSA GLSKPFPPPN
 351 IPIKFEKILY NDQGNYSPVT GKFNCSIPGT YVFSYHITVR GRPARISLVA
 401 QNKKQFKSRE TLYGQEIDQA SLLVILKLSA GDQVWLEVSK DWNGVYVSAE
 451 DDSIFTGFLL YPEETSGISP
```

**SEQ ID NO: 23 (histidine tag INSP161 nucleotide sequence)**

```
   1 ATGTATATAT TTTCCTATTA TATCTTTCTT CCAGCTTCAA ATATGTGGAT
```

```
  51 GTTTTCTTGG CTTTGTGCTA TTTTAATTAT TTTGGCTATT GCTGGTATGA
 101 ACACAATAGC AAAGACCACA CCACATACCA AATTTACGAA GAAATCTGAG
 151 GAAAGAGAGA TGCCAAAGGG TCTAAAGCCA TCCAGTGGCC CACCTCCAGA
 201 AGAAGAAGAA ACCCTCTTCA CAGAAATGGC TGAAATGGCA GAACCAATTA
 251 CCAAACCCTC GGCCTTGGAT TCTGTCTTTG GCACTGCCAC TCTCTCTCCC
 301 TTTGAAAACT TCACTCTTGA CCCAGCTGAT TTCTTTTTGA ATTGTTGTGA
 351 TTGTTGTTCA CCTGTACCCG GGCAGAAAGG AGAACCTGGA GAGACTGGAC
 401 AGCCAGGTCC TAAAGGAGAG GCTGGAAATT TGGGGATCCC AGGGCCACCA
 451 GGAGTTGTTG GGCCCCAAGG CCCTAGAGGC TACAAAGGAG AGAAAGGTGA
 501 ACCTGGCCCT AAGGGAGATA AAGGAAACAT TGGTTTGGGA GGAGTGAAAG
 551 GACAAAAAGG CTCCAAGGGA GACACATGTG GGAATTGTAC CAAAGGAGAA
 601 AAAGGAGACC AAGGGGCTAT GGGCTCACCT GGCCTGCACG GAGGGCCTGG
 651 CGCCAAGGGA GAGAAGGGGG AGATGGGGGA GAAGGGGGAG ATGGGGGATA
 701 AGGGCTGCTG TGGAGATTCT GGGGAGAGGG GAGGAAAAGG ACAGAAAGGT
 751 GAGGGGGGTA TGAAAGGGGA AAAAGGTAGC AAAGGAGACA GTGGAATGGA
 801 AGGCAAAAGC GGCCGTAATG GTCTGCCTGG GGCCAAAGGT GATCCAGGGA
 851 TTAAAGGAGA AAAAGGAGAG TTAGGTCCTC CTGGTCTCCT GGGACCTACT
 901 GGGCCGAAGG GTGACATTGG CAACAAAGGG GTCCGAGGCC CCACTGGGAA
 951 GAAGGGCTCT CGGGGCTTTA AAGGCTCCAA GGGTGAGTTG GCTAGAGTGC
1001 CCCGGTCGGC TTTCAGCGCT GGTTTGTCAA AGCCATTTCC TCCTCCTAAC
1051 ATCCCCATCA AATTTGAAAA GATTCTCTAT AATGACCAAG GGAATTACAG
1101 TCCTGTCACT GGGAAGTTTA ACTGCTCTAT TCCTGGGACA TATGTTTTTT
1151 CCTACCATAT TACGGTGAGG GGGCGACCTG CTCGAATCAG TCTGGTGGCC
1201 CAGAATAAGA AGCAGTTCAA GTCCAGAGAA ACTCTCTATG GTCAGGAAAT
1251 AGACCAGGCC TCTCTCCTCG TCATCTTGAA ATTAAGTGCA GGAGACCAAG
1301 TCTGGCTTGA GGTGTCAAAA GATTGGAATG GGGTGTATGT CAGTGCTGAG
1351 GATGACAGCA TTTTTACTGG GTTCCTTTTG TACCCAGAGG AAACTTCTGG
1401 AATTTCACCA CACCATCACC ATCACCAT
```

## SEQ ID NO: 24 (histidine tag INSP161 polypeptide sequence)

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   1 MYIFSYYIFL PASNMWMFSW LCAILIILAI AGMNTIAKTT PHTKFTKKSE
  51 EREMPKGLKP SSGPPPEEEE TLFTEMAEMA EPITKPSALD SVFGTATLSP
 101 FENFTLDPAD FFLNCCDCCS PVPGQKGEPG ETGQPGPKGE AGNLGIPGPP
 151 GVVGPQGPRG YKGEKGEPGP KGDKGNIGLG GVKGQKGSKG DTCGNCTKGE
 201 KGDQGAMGSP GLHGGPGAKG EKGEMGEKGE MGDKGCCGDS GERGGKGQKG
 251 EGGMKGEKGS KGDSGMEGKS GRNGLPGAKG DPGIKGEKGE LGPPGLLGPT
 301 GPKGDIGNKG VRGPTGKKGS RGFKGSKGEL ARVPRSAFSA GLSKPFPPPN
 351 IPIKFEKILY NDQGNYSPVT GKFNCSIPGT YVFSYHITVR GRPARISLVA
 401 QNKKQFKSRE TLYGQEIDQA SLLVILKLSA GDQVWLEVSK DWNGVYVSAE
 451 DDSIFTGFLL YPEETSGISP HHHHHH
```